



SUMMARY

Aspiring Data Scientist & Software Engineer passionate about developing AI-driven applications and scalable software solutions. Skilled in Machine Learning, MERN Stack, and Algorithm Optimization, with hands-on experience in API integration, full-stack development, and data analytics. Proficient in building data-driven models, enhancing system efficiency, and creating innovative solutions for complex challenges. Committed to continuous learning and staying ahead of emerging trends in AI and software engineering.

EDUCATION

CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY  
Bachelor of Engineering - Artificial Intelligence and Data Science

( 2022 - 2026 )  
CGPA - 8.77

SKILLS

**Programming Languages:** Python, Java, R Programming  
**Data Science, Machine Learning & Deep Learning**  
**Computer Science Basics:** Data Structures & Algorithms(DSA), Linux Commands, Operating System(OS)  
**MERN Stack:** MongoDB, ExpressJS, React, NodeJS  
**Web Development:** HTML, CSS  
**Version Control:** Git & GitHub  
**Soft Skills:** Presentation, Teamwork & Collaboration, Time Management, Adaptability, Problem Solving

PROJECTS

ASCENTIA

Self-Growth Application using MERN Stack and AI Assistant

- Developed Ascentia, a gamified self-development tool enabling users to create tasks and earn points (XP) upon completion, implemented using the MERN stack for a full-stack application experience.
- Integrated visual graphs to display user performance and AI-driven challenges for personalized task recommendations, showcasing strong expertise in full-stack development and gamification techniques.
- Added an AI-powered chatbot, enabling users to create tasks and retrieve task history through natural language prompts, ensuring intelligent task management.

EMOTION RECOGNITION

Deep Learning Model for Real-time Facial Emotion Classification

- Developed a robust emotion recognition system utilizing deep learning techniques to accurately classify facial expressions into various emotional categories (e.g., happy, sad, angry, neutral).
- Leveraged and fine-tuned state-of-the-art pre-trained models like ResNet and Mini Xception, demonstrating expertise in transfer learning, model adaptation, and optimizing CNN architectures for image classification tasks.
- Achieved high accuracy in identifying human emotions from facial images, showcasing strong proficiency in applying advanced deep learning concepts for real-world computer vision applications.

GESTURE RECOGNITION

Real-time Hand Gesture Classification System for Interactive Control

- Developed a dynamic gesture recognition system capable of accurately interpreting various hand movements and classifying them into predefined gestures for interactive applications.
- Implemented computer vision techniques, including image processing and feature extraction, to identify key patterns in hand gestures, demonstrating strong skills in visual data analysis.
- Showcased the application of machine learning algorithms for real-time gesture classification, enabling intuitive and touchless control interfaces.

CERTIFICATION

AWS AI PRACTITIONER ( 2025 )  
AWS Cloud Practitioner ( 2025 )  
Databricks Fundamentals Accreditation ( 2025 )  
Databricks Generative AI Fundamentals Accreditation ( 2025 )  
AMCAT Certification ( 2024 )  
Scored 90+ percentile in all sections, demonstrating strong problem-solving and coding ability

ACHIEVEMENTS

**Runner-Up in Project Expo** for Ascentia, a gamified self-development tool built using the MERN stack.  
**Solved 300+ problems on LeetCode**, demonstrating strong problem-solving and data structures & algorithms proficiency.